18620-3

REPORT

NMTBA
The Association For Manufacturing Technology

Direct Dial: (703) 827-5260

STATISTICS

No. 56-90 May 2, 1990

U.S. FOREIGN TRADE IN MANUFACTURING TECHNOLOGY – FEBRUARY 1990

(Millions of U.S. Dollars)

	Feb. 1990	Jan. 1990	Average Nov.-Jan.	Year-to-Date '90	Year to Date '89	% Change YTD '89-'90
METAL CUTTING MACHINE TOOLS						
Exports	$ 51.6	$ 61.2	$ 48.8	$112.9	$ 72.9	54.9%
Imports	$122.4	$173.5	$152.7	$295.9	$268.4	10.2%
Balance	($ 70.8)	($112.3)	($103.9)	($183.0)	($195.5)	(6.4%)
METAL FORMING MACHINE TOOLS						
Exports	$ 34.3	$ 41.8	$ 39.8	$ 76.2	$ 73.5	3.7%
Imports	$ 31.6	$ 42.6	$ 42.7	$ 74.2	$103.8	(28.5%)
Balance	$ 2.7	($ 0.8)	($ 2.9)	$ 2.0	($ 30.3)	N.M.
MACHINE TOOL TOTAL						
Exports	$ 86.0	$103.1	$ 88.6	$189.0	$146.5	29.0%
Imports	$154.0	$216.1	$195.4	$370.1	$372.1	(0.5%)
Balance	($ 68.0)	($113.0)	($106.8)	($181.1)	($225.7)	(19.8%)
NUMERICALLY CONTROLLED MACHINE TOOLS						
Exports	$ 29.0	$ 36.0	$ 24.8	$ 65.0	$ 37.4	73.8%
Imports	$ 84.0	$119.0	$108.6	$203.0	$177.6	14.3%
Balance	($ 55.0)	($ 83.0)	($ 83.8)	($138.0)	($140.2)	(1.6%)
OTHER MANUFACTURING TECHNOLOGY						
Exports	$138.5	$149.5	N.A.	$288.0	N.A.	N.A.
Imports	$160.3	$192.0	N.A.	$352.3	N.A.	N.A.
Balance	($ 21.8)	($ 42.5)	N.A.	$ 64.3	N.A.	N.A.

Note: Numerically controlled machine tools is a subgroup of the machine tool total. NA = not available; N.M. = not meaningful; ( ) denotes negative. Individual items may not add up to totals due to rounding.

• Machine tool exports in February were $86.0 million. Average for the three months prior to February: $88.6 million.

• Machine tool imports were $154.0 million in February, the lowest level since May 1988. Average for the three months prior to February: $195.4 million.

• February is historically a slow month. From 1985-1989, imports and exports of machine tools in February were always lower than the monthly average for the year.

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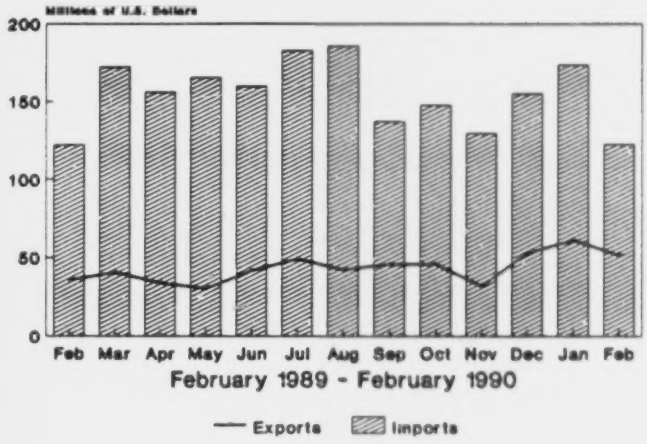
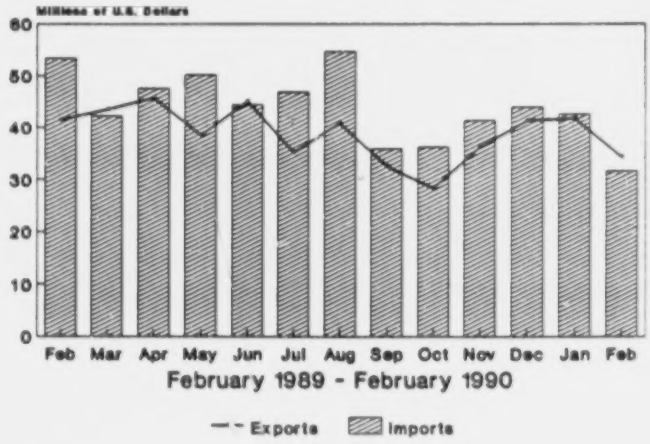
U.S. MONTHLY TRADE IN MACHINE TOOLS

METAL CUTTING



METAL FORMING



METAL CUTTING MACHINE TOOLS

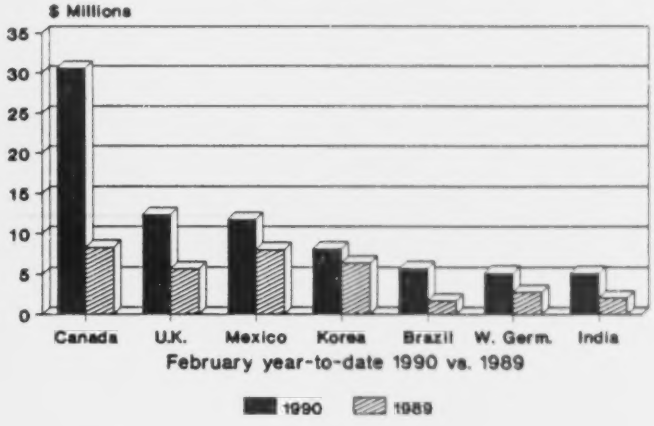
Exports

- Totalled $51.6 million in February, lower than January but higher than the average for the previous three months of $48.8 million.

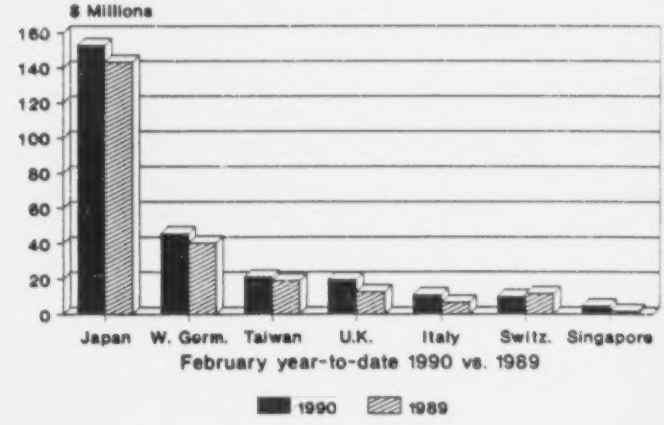
- Leading year-to-date export markets: Canada ($30.6 million), the United Kingdom ($12.4 million) and Mexico ($11.8 million). Others to watch: Brazil ($5.7 million) and India ($5.1 million).

- Exports are down sharply to China ($1.5 million year-to-date 1990, vs. $5.1 million year-to-date 1989) and Venezuela ($0.2 million vs. $3.5 million).

LEADING U.S. EXPORT MARKETS
METAL CUTTING MACHINES



LEADING U.S. IMPORT SOURCES
METAL CUTTING MACHINES



Imports

• Totalled $122.4 million in February, down from $173.5 million in January and the average for the prior three months of $152.7 million.

• Japan supplied $56.7 million in February, down from $96.4 million in January and $76.2 million in December.

• Year-to-date totals from all major import sources except Switzerland, France and Belgium are higher in 1990 than in 1989. Largest suppliers year-to-date: Japan ($153.1 million), West Germany ($45.7 million) and Taiwan ($21.3 million).

• Major import categories year-to-date: machining centers ($73.4 million), NC horizontal lathes ($58.8 million), and grinding machines ($46.6 million).

METAL FORMING MACHINE TOOLS

Exports

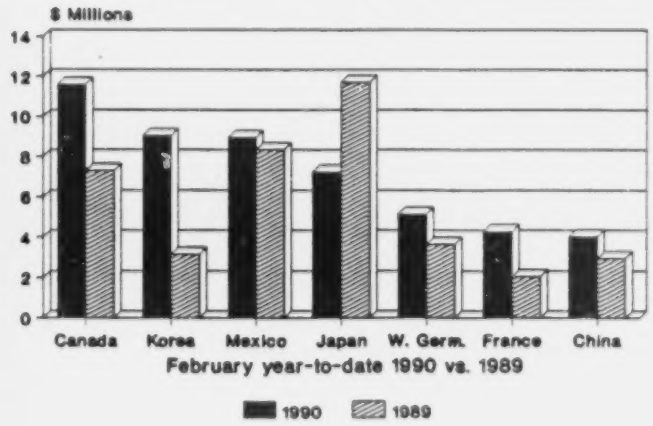
• Totalled $34.3 million in February, down from the average for the previous three months of $39.8 million, but enough to result in a rare trade surplus.

• Major markets so far in 1990: Canada ($11.6 million), Korea ($9.0 million) and Mexico ($9.0 million). Others to watch: West Germany ($5.2 million, up 41% over 1989), France ($4.3 million, up 109%) and India ($3.1 million, up 311%).

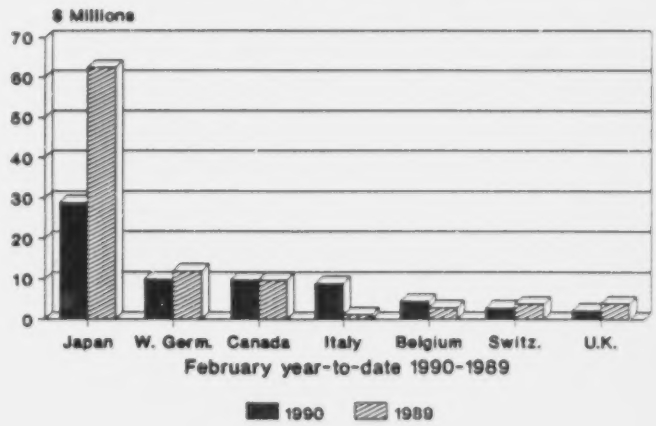
• Way down: United Kingdom ($2.4 million in 1990 through February, vs. $9.2 million in 1989 through February.)

METAL FORMING MACHINE TOOL FOREIGN TRADE

LEADING U.S. EXPORT MARKETS
METAL FORMING MACHINES



LEADING U.S. IMPORT SOURCES
METAL FORMING MACHINES



Imports

• Totalled $31.6 million in February, down 35% from January. Year-to-date imports are down 29% from 1989.

• Year-to-date imports from Japan ($28.9 million) are down 54% over 1989. Imports from Italy are up 615% to $8.9 million.

• Imports of presses year-to-date 1989: $37.4 million. Imports of presses year-to-date 1990: $10.5 million.

OTHER MANUFACTURING TECHNOLOGY

Exports

• Exports of machine tool parts and accessories were $60.7 million in February. Average for November-January: $58.1 million.

• Exports of industrial robots and parts in 1990 through February: $15.3 million.

• Exports of extruders for processing thermoplastics or other thermosetting materials in 1990 through February were $9.3 million, compared with $7.3 million in 1989.

Imports

• Imports of machine tool parts and accessories were $51.8 million in February, up from $49.0 million in January. Major sources in February: Japan ($13.0 million), Canada ($12.7 million) and West Germany ($9.9 million).

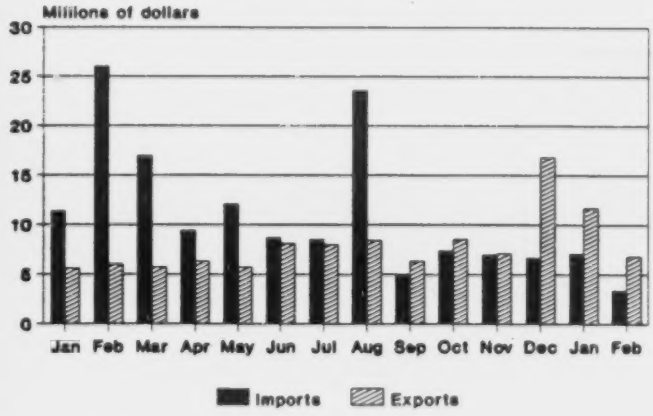
• Imports of injection molding machinery in February were $25.9 million, down from $29.4 million in January. Japan supplied $9.3 million of the February total.

• More than 1,000 numerical controls worth $4.0 million were imported in February. Japan supplied 98%, or $3.8 million, of the total.

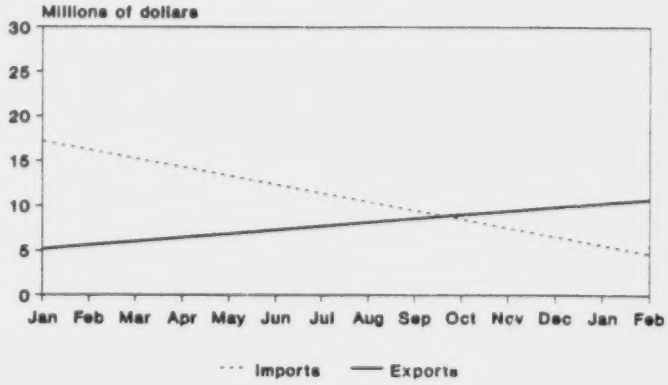
MONTHLY FOCUS

U.S. imports of presses averaged $14.6 million per month from January through August 1989, falling to $6.1 million on average since then. On the other hand, exports of presses from January through August 1989 averaged $6.7 million per month, rising to $9.5 million since then. The charts below detail U.S. monthly foreign trade in presses. The chart on the right shows that imports of presses are trending downwards, while exports of presses are trending upwards.

U.S. Imports and Exports of Presses
January 1989-February 1990



Trend Lines in U.S. Exports and Imports of Presses
January 1989 - February 1990



1990 EXPORTS

METAL CUTTING

COUNTRY	FEBRUARY	JANUARY	%CHANGE	FEB YTD'90	FEB YTD'89	%CHANGE
Canada	$11,495,877	$19,130,487	-39.91%	$30,626,364	$ 8,308,471	268.62%
U.K.	5,287,868	7,091,975	-25.44	12,379,843	5,639,451	119.52
Mexico	7,604,608	4,163,500	82.65	11,768,108	8,010,294	46.91
Korea	4,043,974	4,103,519	-1.45	8,147,493	6,397,698	27.35
Brazil	2,160,292	3,521,261	-38.65	5,681,553	1,720,419	230.24
West Germany	2,940,503	2,225,342	32.14	5,165,845	2,791,510	85.06
India	1,579,475	3,542,508	-55.41	5,121,983	2,052,436	149.56
Australia	1,547,184	2,222,694	-30.39	3,769,878	1,688,830	123.22
Italy	1,671,499	1,825,244	-8.42	3,496,743	3,290,622	6.26
Japan	1,104,197	2,279,351	-51.56	3,383,548	5,802,592	-41.69
Belgium	1,992,442	1,368,481	45.60	3,360,923	1,561,348	115.26
USSR	3,207,507	0	NA	3,207,507	670,302	378.52
France	879,517	1,999,186	-56.01	2,878,703	3,839,562	-25.03
Taiwan	275,253	1,774,960	-84.49	2,050,213	1,641,384	24.91
China	1,375,194	127,620	977.57	1,502,814	5,081,269	-70.42
Singapore	727,052	583,277	24.65	1,310,329	1,111,986	17.84
Spain	760,237	424,524	79.08	1,184,761	337,362	251.18
Switzerland	600,173	278,370	115.60	878,543	906,743	-3.11
Netherlands	309,122	404,565	-23.59	713,687	2,095,782	-65.95
Malaysia	53,507	211,781	-74.73	265,288	48,310	449.14
Thailand	92,412	144,661	-36.12	237,073	488,146	-51.43
Venezuela	157,747	4,077	3,769.19	161,824	3,716,229	-95.65
Indonesia	7,350	80,519	-90.87	87,869	370,815	-76.30
Austria	62,982	6,037	943.27	69,019	11,426	504.05

METAL FORMING

COUNTRY	FEBRUARY	JANUARY	%CHANGE	FEB YTD'90	FEB YTD'89	%CHANGE
Canada	$ 6,014,570	$ 5,577,252	7.84%	$11,591,822	$ 7,311,865	58.53%
Korea	1,214,849	7,834,296	-84.49	9,049,145	3,164,446	185.96
Mexico	3,575,859	5,406,892	-33.86	8,982,751	8,355,956	7.50
Japan	1,864,877	5,388,718	-65.39	7,253,595	11,719,572	-38.11
West Germany	2,202,505	2,957,432	-25.53	5,159,937	3,661,553	40.92
France	3,819,122	468,006	716.04	4,287,128	2,055,440	108.57
China	2,890,440	1,140,331	153.47	4,030,771	2,966,213	35.89
India	2,305,950	828,485	178.33	3,134,435	761,998	311.34
U.K.	776,672	1,665,510	-53.37	2,442,182	9,152,555	-73.32
Italy	555,565	1,215,381	-54.29	1,770,946	2,714,996	-34.77
Netherlands	398,194	1,045,192	-61.90	1,443,386	443,791	225.24
Taiwan	446,411	959,646	-53.48	1,406,057	1,206,173	16.57
Singapore	735,578	212,746	245.75	948,324	3,740,015	-74.64
Austria	164,383	566,000	-70.96	730,383	485,694	50.38
Spain	423,242	284,142	48.95	707,384	853,325	-17.10
Switzerland	595,044	0	NA	595,044	333,095	78.64
Australia	233,511	215,755	8.23	449,266	1,448,734	-68.99
Thailand	28,267	284,000	-90.05	312,267	70,037	345.86
Venezuela	74,748	168,125	-55.54	242,873	3,451,528	-92.96
Brazil	118,038	64,729	82.36	182,767	1,185,789	-84.59
Malaysia	61,668	58,564	5.30	120,232	148,857	-19.23
Belgium	70,369	19,639	258.31	90,008	47,062	91.25
Indonesia	0	6,965	-100.00	6,965	0	NA
USSR	0	0	NA	0	58,526	-100.00

TOTAL METAL CUTTING AND METAL FORMING

COUNTRY	FEBRUARY	JANUARY	%CHANGE	FEB YTD'90	FEB YTD'89	%CHANGE
Canada	$17,510,447	$24,707,739	-29.13%	$42,218,186	$15,620,336	170.28%
Mexico	11,180,467	9,570,392	16.82	20,750,859	16,366,250	26.79
Korea	5,258,823	11,937,815	-55.95	17,196,638	9,562,144	79.84
U.K.	6,064,540	8,757,485	-30.75	14,822,025	14,792,006	0.20
Japan	2,969,074	7,668,069	-61.28	10,637,143	17,522,164	-39.29
West Germany	5,143,008	5,182,774	-0.77	10,325,782	6,453,063	60.01
India	3,885,425	4,370,993	-11.11	8,256,418	2,814,434	193.36
France	4,698,639	2,467,192	90.44	7,165,831	5,895,002	21.56
Brazil	2,278,330	3,585,990	-36.47	5,864,320	2,906,208	101.79
China	4,265,634	1,267,951	236.42	5,533,585	8,047,482	-31.24
Italy	2,227,064	3,040,625	-26.76	5,267,689	6,005,618	-12.29
Australia	1,780,695	2,438,449	-26.97	4,219,144	3,137,564	34.47
Taiwan	721,664	2,734,606	-73.61	3,456,270	2,847,557	21.38
Belgium	2,062,811	1,388,120	48.60	3,450,931	1,608,410	114.56
USSR	3,207,507	0	NA	3,207,507	728,928	340.09
Singapore	1,462,630	796,023	83.74	2,258,653	4,852,001	-53.45
Netherlands	707,316	1,449,757	-51.21	2,157,073	2,539,573	-15.06
Spain	1,183,479	708,666	67.00	1,892,145	1,190,687	58.91
Switzerland	1,195,217	278,370	329.36	1,473,587	1,239,838	18.85
Austria	227,365	572,037	-60.25	799,402	497,120	60.81
Thailand	120,679	428,661	-71.85	549,340	558,183	-1.58
Venezuela	232,495	172,202	35.01	404,697	7,167,757	-94.35
Malaysia	115,175	270,345	-57.40	385,520	197,167	95.53
Indonesia	7,350	87,484	-91.60	94,834	370,815	-74.43

1990 IMPORTS

METAL CUTTING

COUNTRY	FEBRUARY	JANUARY	%CHANGE	FEB YTD'90	FEB YTD'89	%CHANGE
Japan	$ 56,670,975	$ 96,409,162	-41.22%	$153,080,137	$143,386,526	6.76%
West Germany	20,005,082	25,716,456	-22.21	45,721,538	40,465,600	12.99
Taiwan	9,265,060	12,024,656	-22.95	21,289,716	19,100,046	11.46
U.K.	12,432,093	7,301,671	70.26	19,733,764	12,643,996	56.07
Italy	5,110,227	6,114,586	-16.43	11,224,813	6,700,910	67.51
Switzerland	3,297,745	6,922,891	-52.36	10,220,636	11,929,791	-14.33
Singapore	1,988,892	2,703,581	-26.43	4,692,473	1,781,834	163.35
Canada	3,085,334	1,016,497	203.53	4,101,831	3,340,328	22.80
Korea	1,653,654	2,236,678	-26.07	3,890,332	2,267,485	71.57
Spain	1,787,904	2,003,220	-10.75	3,791,124	2,797,504	35.52
France	2,139,634	1,164,643	83.72	3,304,277	8,713,095	-62.08
Sweden	568,833	2,261,885	-74.85	2,830,718	731,983	286.72
Brazil	1,026,207	972,426	5.53	1,998,633	1,405,190	42.23
Belgium	1,334	183,202	-99.27	184,536	1,714,391	-89.24

METAL FORMING

COUNTRY	FEBRUARY	JANUARY	%CHANGE	FEB YTD'90	FEB YTD'89	%CHANGE
Japan	$ 9,583,711	$ 19,339,002	-50.44%	$ 28,922,713	$ 62,559,776	-53.77%
West Germany	4,925,444	5,060,547	-2.67	9,985,991	11,942,547	-16.38
Canada	4,725,930	5,055,174	-6.51	9,781,104	9,746,440	0.36
Italy	4,365,742	4,570,942	-4.49	8,936,684	1,250,469	614.67
Belgium	1,698,167	2,911,568	-41.68	4,609,735	2,889,306	59.54
Switzerland	1,529,450	1,354,674	12.90	2,884,124	3,883,066	-25.73
U.K.	1,334,449	909,509	46.72	2,243,958	3,949,531	-43.18
Taiwan	1,151,822	755,929	52.37	1,907,751	1,375,310	38.71
Sweden	540,629	1,167,365	-53.69	1,707,994	1,587,138	7.61
Spain	319,333	177,194	80.22	496,527	94,124	427.52
France	120,803	168,658	-28.37	289,461	438,912	-34.05
Korea	1,311	0	NA	1,311	32,800	-96.00
Brazil	0	0	NA	0	11,025	-100.00
Singapore	0	0	NA	0	384,738	-100.00

TOTAL METAL CUTTING AND METAL FORMING

COUNTRY	FEBRUARY	JANUARY	%CHANGE	FEB YTD'90	FEB YTD'89	%CHANGE
Japan	$ 66,254,686	$115,748,164	-42.76%	$182,002,850	$205,946,302	-11.63%
West Germany	24,930,526	30,777,003	-19.00	55,707,529	52,408,147	6.30
Taiwan	10,416,882	12,780,585	-18.49	23,197,467	20,475,356	13.29
U.K.	13,766,542	8,211,180	67.66	21,977,722	16,593,527	32.45
Italy	9,475,969	10,685,528	-11.32	20,161,497	7,951,379	153.56
Canada	7,811,264	6,071,671	28.65	13,882,935	13,086,768	6.08
Switzerland	4,827,195	8,277,565	-41.68	13,104,760	15,812,857	-17.13
Belgium	1,699,501	3,094,770	-45.08	4,794,271	4,603,697	4.14
Singapore	1,988,892	2,703,581	-26.43	4,692,473	2,166,572	116.59
Sweden	1,109,462	3,429,250	-67.65	4,538,712	2,319,121	95.71
Spain	2,107,237	2,180,414	-3.36	4,287,651	2,891,628	48.28
Korea	1,654,965	2,236,678	-26.01	3,891,643	2,300,285	69.18
France	2,260,437	1,333,301	69.54	3,593,738	9,152,007	-60.73
Brazil	1,026,207	972,426	5.53	1,998,633	1,416,215	41.12

1990 U.S. EXPORTS
BY PRODUCT GROUPS

PRODUCT TYPES	JANUARY 1990 UNITS	JANUARY 1990 VALUE	FEBRUARY 1990 UNITS	FEBRUARY 1990 VALUE	FEB '90 Y-T-D TOTALS UNITS	FEB '90 Y-T-D TOTALS VALUE
Used & Rebuilt & Under $2,500	2,899	$ 12,224,015	4,543	$ 10,935,156	7,442	$ 23,159,171
Boring Machines	13	958,297	8	1,407,307	21	2,365,604
Drilling Machines	110	2,255,419	53	920,425	163	3,175,844
Gear Cutting Machines	41	5,554,867	19	3,700,605	60	9,255,472
Grinding Machines	271	15,211,730	228	10,470,138	499	25,681,868
Horizontal Lathes NC	43	4,863,833	35	5,062,164	78	9,925,997
Vertical Lathes NC	5	1,223,137	0	0	5	1,223,137
Lathes Non-NC	58	1,113,041	48	1,473,294	106	2,586,335
Milling Machines	48	3,596,641	29	3,228,995	77	6,825,636
Machining Centers	65	7,526,957	34	6,062,752	99	13,589,709
Station Type Machines	10	5,374,341	28	7,752,282	38	13,126,623
Other Metal Cutting	314	7,165,369	312	7,438,893	626	14,604,262
Punching & Shearing	107	4,427,453	121	9,826,370	228	14,253,823
Bending Forming Machines	137	5,902,352	125	3,466,071	262	9,368,423
Presses	259	11,682,624	130	6,795,010	389	18,477,634
Forging Machines	26	5,015,295	16	2,278,536	42	7,293,831
Other Metal Forming	265	8,974,698	264	5,154,346	529	14,129,044
TOTAL	4,671	$103,070,069	5,993	$ 85,972,344	10,664	$189,042,413

PRODUCT TYPES	FEBRUARY 1989 UNITS	FEBRUARY 1989 VALUE	FEB '89 Y-T-D TOTALS UNITS	FEB '89 Y-T-D TOTALS VALUE
Used & Rebuilt & Under $2,500	3,732	$ 12,688,394	7,733	$ 22,340,057
Boring Machines	26	2,545,592	100	3,183,773
Drilling Machines	17	696,798	35	1,592,257
Gear Cutting Machines	21	2,086,374	57	7,535,102
Grinding Machines	294	8,944,628	524	16,779,498
Horizontal Lathes NC	5	461,768	21	2,481,050
Vertical Lathes NC	0	0	2	366,000
Lathes Non-NC	56	1,275,656	72	1,741,582
Milling Machines	89	3,273,726	155	8,177,596
Machining Centers	22	5,831,777	43	8,918,190
Station Type Machines	5	2,392,333	9	3,891,073
Other Metal Cutting	265	2,822,073	522	7,406,843
Punching & Shearing	127	7,132,924	190	10,090,421
Bending Forming Machines	104	3,074,999	188	6,508,139
Presses	115	5,951,499	248	11,541,596
Forging Machines	74	3,224,180	120	6,473,475
Other Metal Forming	266	14,907,382	588	27,447,994
TOTAL	5,218	$ 77,310,103	10,607	$146,474,646

PRODUCT TYPES	% CHANGE JAN 90' - FEB 90' UNITS	% CHANGE JAN 90' - FEB 90' VALUE	% CHANGE FEB 89' - FEB 90' UNITS	% CHANGE FEB 89' - FEB 90' VALUE	% CHANGE YTD 89' - YTD 90' UNITS	% CHANGE YTD 89' - YTD 90' VALUE
Used & Rebuilt & Under $2,500	56.71%	-10.54%	21.73%	-13.82%	-3.76%	3.67%
Boring Machines	-38.46	46.85	-69.23	-44.72	-79.00	-25.70
Drilling Machines	-51.82	-59.19	211.76	32.09	365.71	99.46
Gear Cutting Machines	-53.66	-33.38	-9.52	77.37	5.26	22.83
Grinding Machines	-15.87	-31.17	-22.45	17.06	-4.77	53.06
Horizontal Lathes NC	-18.60	4.08	600.00	996.26	271.43	300.07
Vertical Lathes NC	-100.00	-100.00	NA	NA	150.00	234.19
Lathes Non-NC	-17.24	32.37	-14.29	15.49	47.22	48.50
Milling Machines	-39.58	-10.22	-67.42	-1.37	-50.32	-16.53
Machining Centers	-47.69	-19.45	54.55	3.96	130.23	52.38
Station Type Machines	180.00	44.25	460.00	224.05	322.22	237.35
Other Metal Cutting	-0.64	3.82	17.74	163.60	19.92	97.17
Punching & Shearing	13.08	121.94	-4.72	37.76	20.00	41.26
Bending Forming Machines	-8.76	-41.28	20.19	12.72	39.36	43.95
Presses	-49.81	-41.84	13.04	14.17	56.85	60.10
Forging Machines	-38.46	-54.57	-78.38	-29.33	-65.00	12.67
Other Metal Forming	-0.38	-42.57	-0.75	-65.42	-10.03	-48.52
TOTAL	28.30	-16.59	14.85	11.20	0.54	29.06

1990 U.S. IMPORTS
BY PRODUCT GROUPS

PRODUCT TYPES	JANUARY 1990 UNITS	JANUARY 1990 VALUE	FEBRUARY 1990 UNITS	FEBRUARY 1990 VALUE	FEB '90 Y-T-D TOTALS UNITS	FEB '90 Y-T-D TOTALS VALUE
Used & Rebuilt & Under $2,500	80,165	$ 15,101,348	66,011	$ 10,754,274	146,176	$ 25,855,622
Boring Machines	40	2,511,474	57	2,665,242	97	5,176,716
Drilling Machines	187	5,976,518	66	1,331,591	253	7,308,109
Gear Cutting Machines	37	5,386,214	39	3,472,430	76	8,858,644
Grinding Machines	722	28,410,149	631	18,196,164	1,353	46,606,313
Horizontal Lathes NC	342	34,310,797	275	24,455,772	617	58,766,569
Vertical Lathes NC	23	2,826,480	9	1,890,507	32	4,716,987
Lathes Non-NC	609	9,691,329	474	8,086,596	1,083	17,777,925
Milling Machines	450	9,477,437	369	5,328,255	819	14,805,692
Machining Centers	368	44,495,101	262	28,896,262	630	73,391,363
Station Type Machines	16	4,428,004	9	2,400,678	25	6,828,682
Other Metal Cutting	543	14,026,009	390	15,984,088	933	30,010,097
Punching & Shearing	110	5,701,791	122	5,391,216	232	11,093,007
Bending Forming Machines	206	7,285,979	152	5,080,016	358	12,365,995
Presses	339	7,092,434	368	3,381,548	707	10,473,982
Forging Machines	82	8,532,715	121	5,829,041	203	14,361,756
Other Metal Forming	289	10,864,319	259	10,882,669	548	21,746,988
TOTAL	84,528	$216,118,098	69,614	$154,026,349	154,142	$370,144,447

PRODUCT TYPES	FEBRUARY 1989 UNITS	FEBRUARY 1989 VALUE	FEB '89 Y-T-D TOTALS UNITS	FEB '89 Y-T-D TOTALS VALUE
Used & Rebuilt & Under $2,500	28,520	$ 12,085,985	69,423	$ 22,199,640
Boring Machines	74	5,470,749	163	13,116,885
Drilling Machines	120	7,005,035	281	17,165,363
Gear Cutting Machines	23	2,222,717	69	6,581,023
Grinding Machines	606	14,282,507	1,166	27,842,371
Horizontal Lathes NC	321	27,833,919	687	61,521,424
Vertical Lathes NC	10	1,610,472	23	2,810,274
Lathes Non-NC	352	5,663,166	912	13,485,965
Milling Machines	316	8,491,551	726	18,213,959
Machining Centers	211	25,193,738	526	60,122,751
Station Type Machines	30	1,648,674	41	3,450,404
Other Metal Cutting	355	12,764,694	666	25,232,082
Punching & Shearing	153	5,222,761	314	12,276,312
Bending Forming Machines	194	7,673,335	377	16,040,132
Presses	189	25,984,776	428	37,371,350
Forging Machines	131	5,000,422	367	18,641,892
Other Metal Forming	939	7,345,113	1,068	16,069,897
TOTAL	32,544	$175,499,614	77,237	$372,141,724

PRODUCT TYPES	% CHANGE JAN 90' - FEB 90' UNITS	% CHANGE JAN 90' - FEB 90' VALUE	% CHANGE FEB 89' - FEB 90' UNITS	% CHANGE FEB 89' - FEB 90' VALUE	% CHANGE YTD 89' - YTD 90' UNITS	% CHANGE YTD 89' - YTD 90' VALUE
Used & Rebuilt & Under $2,500	-17.66%	-28.79%	131.46%	-11.02%	110.56%	16.47%
Boring Machines	42.50	6.12	-22.97	-51.28	-40.49	-60.53
Drilling Machines	-64.71	-77.72	-45.00	-80.99	-9.96	-57.43
Gear Cutting Machines	5.41	-35.53	69.57	56.22	10.14	34.61
Grinding Machines	-12.60	-35.95	4.13	27.40	16.04	67.39
Horizontal Lathes NC	-19.59	-28.72	-14.33	-12.14	-10.19	-4.48
Vertical Lathes NC	-60.87	-33.11	-10.00	17.39	39.13	67.85
Lathes Non-NC	-22.17	-16.56	34.66	42.79	18.75	31.83
Milling Machines	-18.00	-43.78	16.77	-37.25	12.81	-18.71
Machining Centers	-28.80	-35.06	24.17	14.70	19.77	22.07
Station Type Machines	-43.75	-45.78	-70.00	45.61	-39.02	97.91
Other Metal Cutting	-28.18	13.96	9.86	25.22	40.09	18.94
Punching & Shearing	10.91	-5.45	-20.26	3.23	-26.11	-9.64
Bending Forming Machines	-26.21	-30.28	-21.65	-33.80	-5.04	-22.91
Presses	8.55	-52.32	94.71	-86.99	65.19	-71.97
Forging Machines	47.56	-31.69	-7.63	16.57	-44.69	-22.96
Other Metal Forming	-10.38	0.17	-72.42	48.16	-48.69	35.33
TOTAL	-17.64	-28.73	113.91	-12.24	99.57	-0.54

U.S. EXPORTS
Metal Cutting Machine Tools - February 90

RELEASED: May 2, 1990

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456300000	Electro-discharge machines	10	692	8	479
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm(26")	14	2966	5	1205
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm(26")	4	906	3	803
100035	Horiz. mach. ctrs., ATC	4	2012	2	874
100045	Mach. ctrs., n.e.c.	77	7705	24	3181
200010	Unit construction mach. (single station transfer), NC	0	0	0	0
200090	Unit construction mach. (single station transfer), non-NC	1	89	0	0
300010	Multi-station transfer machines, NC	4	7325	1	2715
300090	Multi-station transfer machines, non-NC	22	4138	20	3938
8458110010	Horiz. lathes, multiple spindle, NC	6	1021	2	321
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	55	3979	24	1585
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	8	1600	3	569
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	9	3326	6	2588
190030	Horiz. engine or toolroom lathes, non-NC	25	397	4	56
190050	Automatic bar and/or chucking mach., single spindle, non-NC	1	104	0	0
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	21	827	15	660
190090	Horiz. lathes, n.e.c., non-NC	45	925	25	665
911060	Vertical turret lathes, multiple spindle, NC	0	0	0	0
911080	Vertical turret lathes, n.e.c., NC	2	316	0	0
915050	Vertical lathes, excl. VTL's, mult. spindle, NC	0	0	0	0
915070	Vertical lathes, excl. VTL's, n.e.c., NC	3	907	0	0
991050	Vertical turret lathes, non-NC	2	31	2	31
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	12	302	2	61
8459100000	Way-type unit head machines	11	1574	7	1100
210080	Other drilling machines, NC	18	1925	4	309
290040	Drilling machines, multiple spindle, non-NC	9	409	5	240
290050	Drilling machines, radial, non-NC	6	51	1	10
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	8	190	2	125
290090	Drilling machines, n.e.c., non-NC	122	602	41	236
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	3	1569	2	1189
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	1	83	0	0
310070	Boring-milling mach., n.e.c., NC	2	61	1	29
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	0	0	0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	0	0	0	0
400040	Boring machines, vertical, NC	0	0	0	0
400050	Boring machines, vertical, non-NC	11	167	3	37
400070	Boring machines, n.e.c., NC	1	104	1	104
400080	Boring machines, n.e.c., non-NC	3	382	1	48
510080	Milling machines, knee type, NC	3	140	1	27
590030	Milling machines, knee type, non-NC	20	604	13	375
610080	Milling machines, excl. knee type, n.e.c., NC	6	2724	3	1191
690050	Milling machines, profile, dup., or die sinking, non-NC	18	332	1	8
690070	Milling machines, bed type, non-NC	0	0	0	0
690090	Milling machines, n.e.c., non-NC	30	3026	11	1628
700020	Threading or tapping machines, n.e.c., NC	7	476	2	369
700080	Threading or tapping machines, n.e.c., non-NC	37	584	20	436
8460110080	Flat surface grinding mach., NC	5	177	2	83
190010	Flat surface grinding mach., recip.-table type, non-NC	9	250	2	39
190050	Flat surface grinding mach., n.e.c., non-NC	10	1808	2	335
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	15	5741	3	1609
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	6	1039	2	825
290030	Grinding mach., internal cylindrical, non-NC	4	96	0	0
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	90	3921	35	1949
310080	Sharpening machines (tool & cutter grinding), NC	6	167	3	68
390050	Sharpening machines (tool & cutter grinding), non-NC	116	5413	47	549
400060	Honing or lapping machines, NC	0	0	0	0
400080	Honing or lapping machines, non-NC	98	4496	66	3930
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	2	457	1	44
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	138	2116	65	1037
8461100060	Planing machines, NC	1	111	0	0
100080	Planing machines, non-NC	90	1278	28	618
200010	Shaping or slotting machines, NC	0	0	0	0
200090	Shaping or slotting machines, non-NC	14	368	9	142
300060	Broaching machines, NC	8	827	8	827
300080	Broaching machines, non-NC	3	325	1	29
401050	Gear hobbers	3	178	3	178
401070	Gear shapers	15	2485	3	1137
401090	Gear cutting machines, n.e.c.	18	4848	8	2279
405060	Gear grinding or finishing machines	24	1745	5	108
500050	Sawing or cutting-off machines, NC	41	1308	22	608
500090	Sawing or cutting-off machines, non-NC	279	4679	148	1681
9000000001	Metal cutting machine tools, n.e.c.	136	3956	66	2251
9800000001	Used or rebuilt machine tools	746	7741	312	2243
9900000001	Machine tools valued at less than $2,500	4571	2767	2651	1874
	Cutting Total			3757	51634
	Y-T-D Cutting Total	7089	112869		
	NC Y-T-D Cutting Total*	340	49615		

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - February 90

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	5	314
8457100015	0	0	0	0	0	0	0	0	4	975
100025	0	0	0	0	0	0	0	0	3	803
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	13	1726	1	297	3	358
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	1	210
110030	0	0	0	0	1	111	0	0	0	0
110050	0	0	0	0	0	0	0	0	3	569
110090	0	0	0	0	0	0	0	0	6	2588
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	4	130
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	1	13
995090	1	41	0	0	0	0	0	0	1	20
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	1	35	1	166
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	1	10
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	13	59	22	120
310010	0	0	0	0	0	0	1	380	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	1	29
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	3	37
400070	0	0	0	0	0	0	0	0	1	104
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	1	21	0	0	0	0	0	0	8	235
610080	0	0	0	0	0	0	0	0	1	350
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	4	80
700020	0	0	0	0	0	0	0	0	0	0
700080	1	3	0	0	1	70	0	0	9	203
8460110080	0	0	0	0	0	0	1	18	0	0
190010	0	0	0	0	0	0	0	0	1	23
190050	0	0	0	0	0	0	0	0	1	89
210080	0	0	0	0	0	0	0	0	1	1214
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	7	354
310080	0	0	0	0	0	0	0	0	0	0
390050	1	46	0	0	1	9	0	0	17	263
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	1	8	1	6	4	28
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	1	8	0	0	1	180	16	195
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	1	40	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	1	12
300060	0	0	0	0	0	0	0	0	1	464
300080	0	0	0	0	0	0	0	0	1	29
401050	0	0	0	0	0	0	0	0	1	63
401070	0	0	0	0	0	0	2	1099	0	0
401090	2	1153	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	21	483
500090	0	0	0	0	0	0	0	0	22	276
9000000001	0	0	0	0	0	0	4	12	14	146
9800000001	25	242	0	0	0	0	7	61	41	222
9900000001	28	41	22	15	71	68	20	13	323	322
Month Tot	59	1547	24	63	88	1992	52	2160	554	11496
Y-T-D Tot	116	3770	33	69	115	3361	187	5682	880	30626
MC YTD Tot*	5	1505	0	0	20	2937	5	1110	103	17361

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - February 90

	China		France		India		Indonesia		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	1	617	0	0	0	0	0	0	0	0
100045	1	373	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	8	527	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	2	31	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	9	140
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	1	48	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	1	4	0	0	0	0	2	41
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	1	25	0	0	0	0
610080	0	0	0	0	1	716	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	1	341	0	0	0	0
700080	0	0	0	0	1	3	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	1	246
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	1	214	0	0	12	413	0	0	4	413
310080	0	0	1	32	0	0	0	0	0	0
390050	1	28	1	44	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	1	51	0	0	11	135
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	3	40	1	8	0	0	1	3
8461100060	0	0	0	0	0	0	0	0	0	0
100080	1	16	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	2	664
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	4	61	0	0	0	0	0	0
9000000001	0	0	0	0	0	0	0	0	2	26
9800000001	1	128	3	7	1	4	0	0	1	3
9900000001	0	0	128	86	29	21	34	7	10	3
Month Tot	6	1375	152	880	48	1579	34	7	43	1671
Y-T-D Tot	7	1503	380	2879	74	5122	36	88	98	3497
MC YTD Tot*	2	990	37	2158	6	2422	0	0	0	0

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - February 90

	Japan		Korea		Malaysia		Mexico		Netherlands	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	1	78	0	0	0	0	1	35	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	4	342	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	18	2178	0	0
8458110010	0	0	0	0	0	0	1	111	0	0
110030	0	0	0	0	0	0	1	57	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	3	70	1	340	0	0	0	0	0	0
190090	8	89	2	9	0	0	8	406	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	1	18	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	4	345	0	0	1	92	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	5	240	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	1	7	0	0
290090	0	0	0	0	0	0	2	10	0	0
310010	0	0	1	809	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	1	48	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	1	26	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	7	1548	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	1	65	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	2	825	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	5	277	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	11	76	0	0	9	46	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	2	33	1	25	0	0	1	4	0	0
900060	0	0	0	0	0	0	1	44	0	0
900080	2	21	2	20	1	4	16	345	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	1	170	16	251	0	0	5	29	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	1	75	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	2	115	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	1	172	0	0	0	0	2	222	0	0
405060	0	0	2	66	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	12	151	15	175	0	0	2	65	50	237
9000000001	2	47	5	590	0	0	7	741	2	59
9800000001	15	63	4	192	0	0	105	524	12	8
9900000001	281	69	44	42	5	3	639	401	19	5
Month Tot	340	1104	106	4044	15	54	831	7605	83	309
Y-T-D Tot	780	3384	246	8147	40	265	1690	11768	164	714
NC YTD Tot*	11	1314	27	2553	0	0	28	1698	2	66

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - February 90

	Singapore		Spain		Switzerland		Taiwan		Thailand	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	1	55	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	2	663	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	1	34	0	0	0	0	0	0	0	0
610080	0	0	0	0	1	125	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	1	83	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	10	155	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	2	14	0	0	1	11	5	43	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	6	23	0	0	0	0	0	0	1	33
300060	7	363	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	1	24	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	0	0	0	0	6	109	0	0
9000000001	0	0	0	0	12	148	3	16	0	0
9800000001	14	231	3	4	45	114	3	35	4	50
9900000001	85	62	16	10	36	22	28	18	6	10
Month Tot	115	727	22	760	106	600	46	275	11	92
Y-T-D Tot	158	1310	34	1185	118	879	172	2050	21	237
NC YTD Tot*	8	400	1	268	1	125	12	810	1	91

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - February 90

	U.K.		USSR		Venezuela		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	1	52	0	0
8457100015	1	229	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	1	257	0	0
100045	1	45	0	0	0	0	1	40	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	1	2715	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	2	1760	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	12	765	0	0	0	0	2	125	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	2	25	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	1	57	0	0
190090	1	6	0	0	0	0	0	0	2	24
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	1	59	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	1	118
290090	1	3	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	1	27
590030	0	0	0	0	0	0	0	0	1	35
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	1	8	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	1	28
700080	0	0	0	0	2	6	0	0	6	152
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	1	16	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	1	145	0	0	0	0	1	250	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	5	195	0	0	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	2	36
390050	0	0	0	0	0	0	6	38	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	1	85	14	3208	0	0	12	122	7	72
900060	0	0	0	0	0	0	0	0	0	0
900080	2	18	0	0	1	11	8	108	2	7
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	1	50	0	0	3	62
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	1	38
401090	0	0	0	0	1	68	0	0	0	0
405060	1	9	0	0	0	0	0	0	1	9
500050	1	125	0	0	0	0	0	0	0	0
500090	12	214	0	0	0	0	3	51	22	341
9000000001	7	384	0	0	0	0	0	0	8	82
9800000001	2	98	0	0	0	0	5	33	21	224
9900000001	393	169	0	0	12	7	75	40	347	442
Month Tot	445	5288	14	3208	18	158	119	2941	426	1698
Y-T-D Tot	602	12380	14	3208	19	162	283	5166	822	5419
NC YTD Tot*	43	10383	0	0	0	0	11	1362	17	2062

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U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
February 90

RELEASED: May 2, 1990

Metal Forming Machine Tools		TOTAL YTD UNITS	TOTAL YTD $000	TOTAL MO. UNITS	TOTAL MO. $000
8454300010	Die casting machines	58	1599	42	766
8462100030	Headers and upsetters, including cold headers	7	3847	4	1218
100050	Forging or die stamping machines, and hammers, n.e.c.	35	3447	12	1060
210080	Bending, folding, straight. or flat. mach., incl presses, NC	50	4504	16	821
290030	Press brakes, non-NC	38	989	11	411
290040	Bending rolls, non-NC	15	399	5	201
290050	Bending, folding, straight., or flat., n.e.c., non-NC	159	3477	93	2033
310080	Shearing machines, NC	15	1334	3	130
390050	Shearing machines, non-NC	76	1952	22	631
410080	Punching or notching mach., incl. comb. punch & shear, NC	42	7837	28	6481
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	95	3130	68	2585
910060	Hydraulic presses, NC	8	665	3	84
910090	Hydraulic presses, non-NC	111	6945	34	1139
990030	Presses, n.e.c., NC	19	1073	14	696
990040	Presses, mechanical, non-NC	18	2084	2	534
990060	Presses, n.e.c., non-NC	233	7711	77	4342
8463100080	Draw benches for bars, tubes, profiles, wire or the like	23	532	14	263
200080	Thread rolling machines	9	337	4	226
300080	Machines for working wire	94	3428	37	621
900080	Metal forming machine tools, n.e.c.	345	8233	167	3278
9800000002	Used or rebuilt machine tools	471	11329	228	5711
9900000002	Machine tools valued at less than $2,500	1654	1322	1352	1107
	Forming Total			2236	34338
	Y-T-D Forming Total	3575	76174		
	NC Y-T-D Forming Total	134	15413		
	Cutting and Forming Totals:				
	Monthly Total			5993	85972
	Y-T-D Total	10664	189042		
	NC Y-T-D Total*	474	65028		

Other Manufacturing Technology		TOTAL YTD UNITS	TOTAL YTD $000	TOTAL MO. UNITS	TOTAL MO. $000
1000000000	Machine tool parts and accessories	0	119432	0	60657
2000000000	Parts for working rubber or plastics - heading 8477	0	45379	0	24524
2710003070	Quenching or cutting oils	0	1176	0	502
8428900010	Industrial robots for lifting, handling, loading or unload	25	847	8	316
8431390090	Parts industrial robots, handling and loading - heading 8428	0	11577	0	6266
8456100000	Laser, light or photon beam for working any material	115	6708	55	2845
200000	Ultrasonic process for working any material	16	354	11	249
8477106010	Injection molding mach., for rubber or oth. thermosetting	26	2406	14	848
106070	Injection molding mach., for thermoplastics	51	4505	19	1118
200010	Extruders for rubber or other thermosetting materials	50	2727	26	977
200050	Extruders for processing thermoplastics	136	6589	51	1118
300000	Blow molding machines	76	4277	43	2594
400000	Vacuum-molding and other thermoforming machines	3979	3084	30	1460
510010	Machines for molding or retreading pneumatic tires	160	4333	39	2508
510090	Machines for molding or otherwise forming inner tubes	71	7653	37	4690
590000	Machines for molding or otherwise forming n.e.c.	216	2942	40	1001
800000	Machines for working rubber or plastics n.e.c.	633	14338	219	6157
8479899040	Industrial robots, n.e.c.	1246	13404	515	6031
908040	Industrial robot parts	0	7717	0	2656
8537100030	Numerical controls for controlling machine tools	382	5316	162	2301
9024100000	Machines and appliances for testing metals	0	11499	0	4606
9031100000	Machines for balancing mechanical parts	0	4289	0	1848
300000	Profile projectors	0	1434	0	363
9032810040	Industrial process control instr., hydraulic or pneumatic	102689	5952	54343	2838

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "NC Y-T-D Total" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

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Metal Forming

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	8	10	0	0	0	0	0	0	1	496
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	0	0	0	0	3	492
210080	0	0	0	0	0	0	0	0	3	122
290030	0	0	0	0	0	0	0	0	9	322
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	28	512
310080	1	65	0	0	0	0	0	0	1	34
390050	1	10	0	0	0	0	0	0	14	390
410080	0	0	0	0	0	0	0	0	5	858
490050	3	14	1	149	0	0	0	0	11	124
910060	0	0	0	0	0	0	1	14	0	0
910090	1	50	0	0	0	0	0	0	5	295
990030	0	0	0	0	0	0	0	0	2	16
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	0	0	0	0	28	393
8463100080	0	0	0	0	0	0	0	0	10	46
200080	0	0	0	0	0	0	0	0	0	0
300080	1	59	0	0	0	0	1	14	7	115
900080	0	0	1	7	0	0	0	0	17	267
9800000002	0	0	0	0	3	67	2	71	49	1404
9900000002	45	24	14	9	3	3	23	19	152	130
Month Tot	60	234	16	164	6	70	27	118	345	6015
Y-T-D Tot	68	449	17	730	19	90	30	183	532	11592
NC YTD Tot	2	94	0	0	0	0	1	14	23	2699
C&F Month	119	1781	40	227	94	2063	79	2278	899	17510
C&F Y-T-D	184	4219	50	799	134	3451	217	5864	1412	42218
C&F NC YTD*	7	1599	0	0	20	2937	6	1124	126	20061

Other Manufacturing Technology

1000000000	0	700	0	154	0	341	0	1770	0	14554
2000000000	0	1572	0	169	0	528	0	370	0	5692
2710003070	0	32	0	0	0	0	0	0	0	12
8428900010	1	11	0	0	0	0	0	0	2	219
8431390090	0	170	0	31	0	60	0	5	0	1248
8456100000	0	0	0	0	0	0	0	0	2	302
200000	0	0	0	0	0	0	0	0	1	12
8477106010	0	0	0	0	0	0	0	0	1	41
106070	0	0	1	67	0	0	0	0	4	183
200010	0	0	0	0	0	0	0	0	19	817
200050	0	0	0	0	0	0	1	27	17	403
300000	1	100	0	0	0	0	0	0	2	309
400000	1	44	0	0	0	0	12	104	6	557
510010	0	0	0	0	0	0	2	44	4	1768
510090	2	190	0	0	0	0	0	0	0	0
590000	2	9	0	0	0	0	0	0	5	540
800000	1	11	0	0	13	200	4	58	61	2401
8479899040	2	10	0	0	0	0	0	0	393	3440
908040	0	0	0	0	0	11	0	0	0	637
8537100030	1	8	0	0	0	0	0	0	10	142
9024100000	0	79	0	10	0	34	0	0	0	600
9031100000	0	16	0	0	0	0	0	0	0	514
300000	0	0	0	0	0	0	0	0	0	48
9032810040	6600	353	3521	176	1348	67	5	4	2637	58

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

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Metal Forming

	China		France		India		Indonesia		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	1	27	2	32	2	17	0	0	0	0
8462100030	0	0	1	667	0	0	0	0	1	113
100050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	4	94	1	15	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
410080	2	2624	17	2434	0	0	0	0	0	0
490050	1	145	1	3	0	0	0	0	3	136
910060	1	5	0	0	0	0	0	0	0	0
910090	0	0	0	0	0	0	0	0	0	0
990030	0	0	0	0	0	0	0	0	1	220
990040	0	0	1	518	0	0	0	0	0	0
990060	0	0	0	0	0	0	0	0	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	2	90	0	0	0	0	0	0	3	48
900080	0	0	0	0	6	86	0	0	1	34
9800000002	0	0	4	68	6	2135	0	0	0	0
9900000002	0	0	4	4	85	52	0	0	4	3
Month Tot	7	2890	34	3819	100	2306	0	0	13	556
Y-T-D Tot	26	4031	58	4287	109	3134	1	7	34	1771
NC YTD Tot	3	2629	18	2465	0	0	0	0	2	360
C&F Month	13	4266	186	4699	148	3885	34	7	56	2227
C&F Y-T-D	33	5534	438	7166	183	8256	37	95	132	5268
C&F NC YTD*	5	3619	55	4623	6	2422	0	0	2	360

Other Manufacturing Technology

1000000000	0	295	0	1226	0	289	0	36	0	1312
2000000000	0	34	0	386	0	425	0	39	0	458
2710003070	0	0	0	0	0	0	0	102	0	0
8428900010	0	0	3	33	0	0	0	0	0	0
8431390090	0	48	0	155	0	133	0	0	0	0
8456100000	8	185	0	0	0	0	0	0	0	0
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	2	131
106070	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200050	0	0	0	0	0	0	0	0	11	337
300000	0	0	0	0	0	0	0	0	0	0
400000	0	0	0	0	0	0	0	0	0	0
510010	0	0	0	0	0	0	0	0	0	0
510090	0	0	1	660	0	0	0	0	0	0
590000	0	0	0	0	0	0	0	0	0	0
800000	49	132	2	184	4	64	0	0	0	0
8479899040	0	0	14	84	0	0	0	0	0	0
908040	0	0	0	25	0	0	0	0	0	71
8537100030	0	0	6	88	0	0	0	0	6	82
9024100000	0	215	0	169	0	0	0	8	0	54
9031100000	0	17	0	4	0	52	0	0	0	3
300000	0	0	0	105	0	0	0	0	0	0
9032810040	1097	55	2003	107	10	3	94	5	2181	147

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

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Metal Forming

	Japan		Korea		Malaysia		Mexico		Netherlands	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	1	5	4	13	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	1	33	0	0	0	0	2	74	0	0
210080	2	132	0	0	1	37	2	70	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	3	114	0	0
290050	4	65	2	28	4	17	9	230	0	0
310080	0	0	0	0	0	0	0	0	1	31
390050	0	0	4	64	0	0	1	33	0	0
410080	0	0	0	0	0	0	2	240	0	0
490050	14	274	0	0	1	3	13	224	2	7
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	1	28	0	0	19	459	0	0
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	1	16	0	0
990060	4	249	1	594	0	0	19	599	6	169
8463100080	0	0	0	0	0	0	1	145	0	0
200080	0	0	0	0	0	0	1	27	1	132
300080	0	0	1	24	0	0	4	51	0	0
900080	22	596	12	323	0	0	36	288	2	25
9800000002	11	479	7	147	0	0	77	471	0	0
9900000002	42	37	9	6	0	0	589	522	33	34
Month Tot	100	1865	37	1215	7	62	783	3576	45	398
Y-T-D Tot	170	7254	103	9049	16	120	1188	8983	64	1443
NC YTD Tot	7	1262	6	804	1	37	17	1665	7	573
C&F Month	440	2969	143	5259	22	115	1614	11180	128	707
C&F Y-T-D	950	10637	349	17197	56	386	2878	20751	228	2157
C&F NC YTD*	18	2576	33	3357	1	37	45	3362	9	639

Other Manufacturing Technology

1000000000	0	4776	0	3151	0	244	0	3943	0	351
2000000000	0	632	0	688	0	329	0	1458	0	23
2710003070	0	29	0	0	0	0	0	26	0	26
8428900010	0	0	0	0	0	0	0	0	0	0
8431390090	0	335	0	252	0	0	0	600	0	55
8456100000	22	1499	0	0	14	320	0	0	1	225
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	1	74	0	0	8	515	0	0
106070	0	0	0	0	0	0	11	635	0	0
200010	0	0	0	0	0	0	0	0	0	0
200050	5	47	0	0	0	0	14	200	0	0
300000	0	0	1	484	0	0	6	572	0	0
400000	3	30	4	684	2	4	1	28	0	0
510010	0	0	0	0	1	8	0	0	0	0
510090	2	3	1	70	0	0	4	33	0	0
590000	5	62	0	0	0	0	3	15	2	37
800000	2	63	10	137	0	0	25	333	2	29
8479899040	2	30	0	0	0	0	3	15	1	15
908040	0	207	0	13	0	3	0	3	0	0
8537100030	4	60	8	92	0	0	1	20	0	0
9024100000	0	764	0	214	0	6	0	174	0	58
9031100000	0	0	0	512	0	0	0	535	0	0
300000	0	126	0	25	0	0	0	4	0	7
9032810040	1388	160	1061	63	0	0	490	99	6687	361

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
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Metal Forming

	Singapore		Spain		Switzerland		Taiwan		Thailand	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	7	25
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	3	302	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	1	5	0	0	2	60	1	30	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
410080	0	0	0	0	0	0	1	71	0	0
490050	2	503	0	0	0	0	1	81	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	1	15	0	0	0	0
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	1	471	8	201	0	0
8463100080	0	0	3	71	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	2	50	0	0	0	0	0	0
900080	5	153	0	0	0	0	2	63	0	0
9800000002	5	33	0	0	0	0	0	0	0	0
9900000002	45	42	0	0	57	49	0	0	8	4
Month Tot	58	736	8	423	61	595	13	446	15	28
Y-T-D Tot	65	948	12	707	61	595	30	1406	24	312
NC YTD Tot	0	0	0	0	0	0	10	648	0	0
C&F Month	173	1463	30	1183	167	1195	59	722	26	121
C&F Y-T-D	223	2259	46	1892	179	1474	202	3456	45	549
C&F NC YTD*	8	400	1	268	1	125	22	1457	1	91

Other Manufacturing Technology

1000000000	0	1265	0	1391	0	675	0	1179	0	474
2000000000	0	105	0	181	0	64	0	130	0	57
2710003070	0	0	0	0	0	0	0	146	0	4
8428900010	0	0	0	0	0	0	0	0	0	0
8431390090	0	360	0	3	0	131	0	0	0	0
8456100000	1	21	0	0	2	165	0	0	0	0
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106070	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200050	0	0	0	0	0	0	0	0	0	0
300000	0	0	8	142	0	0	0	0	0	0
400000	1	10	0	0	0	0	0	0	0	0
510010	0	0	10	284	0	0	0	0	0	0
510090	0	0	0	0	0	0	3	89	0	0
590000	1	4	0	0	7	5	1	128	0	0
800000	1	170	0	0	0	0	4	4	0	0
8479899040	0	0	2	49	22	209	0	0	0	0
908040	0	7	0	8	0	0	0	0	0	0
8537100030	1	16	0	0	0	0	3	44	1	9
9024100000	0	25	0	311	0	471	0	152	0	0
9031100000	0	18	0	0	0	0	0	0	0	0
300000	0	20	0	0	0	0	0	0	0	0
9032810040	489	58	396	26	383	22	949	95	9904	30

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
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Metal Forming

	U.K.		USSR		Venezuela		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	10	95	0	0	0	0	0	0	6	48
8462100030	0	0	0	0	0	0	2	438	0	0
100050	0	0	0	0	0	0	0	0	3	160
210080	0	0	0	0	0	0	2	128	6	332
290030	0	0	0	0	0	0	0	0	2	89
290040	0	0	0	0	0	0	0	0	2	86
290050	4	67	0	0	0	0	4	233	29	676
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	2	135
410080	0	0	0	0	0	0	1	254	0	0
490050	1	155	0	0	0	0	0	0	14	768
910060	1	65	0	0	0	0	0	0	0	0
910090	0	0	0	0	0	0	4	128	3	164
990030	1	62	0	0	0	0	0	0	10	398
990040	0	0	0	0	0	0	0	0	0	0
990060	1	198	0	0	1	23	3	274	5	1170
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	1	48	1	19
300080	2	30	0	0	0	0	10	67	4	73
900080	0	0	0	0	0	0	22	410	41	1026
9800000002	6	69	0	0	1	40	10	175	47	552
9900000002	45	36	0	0	14	12	56	47	124	74
Month Tot	71	777	0	0	16	75	115	2203	299	5769
Y-T-D Tot	176	2442	0	0	22	243	263	5160	487	11236
NC YTD Tot	6	660	0	0	1	28	3	382	27	1092
C&F Month	516	6065	14	3208	34	232	234	5143	725	7467
C&F Y-T-D	778	14822	14	3208	41	405	546	10326	1309	16655
C&F NC YTD*	49	11044	0	0	1	28	14	1745	44	3155

Other Manufacturing Technology

1000000000	0	5506	0	808	0	437	0	7648	0	8132
2000000000	0	431	0	0	0	499	0	1020	0	9234
2710003070	0	15	0	0	0	0	0	14	0	95
8428900010	0	0	0	0	0	0	1	42	1	11
8431390090	0	149	0	0	0	9	0	243	0	2278
8456100000	1	13	0	0	0	0	0	0	4	115
200000	0	0	0	0	0	0	0	0	10	237
8477106010	0	0	0	0	1	25	0	0	1	63
106070	3	233	0	0	0	0	0	0	0	0
200010	1	7	0	0	0	0	0	0	6	153
200050	0	0	0	0	0	0	1	35	2	70
300000	0	0	0	0	0	0	0	0	25	987
400000	0	0	0	0	0	0	0	0	0	0
510010	0	0	0	0	5	122	7	208	10	75
510090	10	3	3	84	0	0	2	44	9	3515
590000	7	15	0	0	0	0	1	86	6	98
800000	8	2015	0	0	0	0	3	76	30	280
8479899040	6	81	0	0	1	6	60	2038	9	56
908040	0	160	0	0	0	0	0	1419	0	94
8537100030	80	1135	0	0	0	0	16	239	25	367
9024100000	0	623	0	38	0	0	0	288	0	314
9031100000	0	23	0	0	0	11	0	34	0	107
300000	0	0	0	0	0	0	0	0	0	28
9032810040	4974	376	0	0	509	41	7002	395	615	138

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

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Metal Cutting and Metal Forming Machine Tool Totals
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	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Bulgaria	0	0	0	0	0	0
Czechoslovakia	0	0	0	0	0	0
Denmark	4	83	18	3	22	86
East Germany	0	0	0	0	0	0
Finland	2	25	5	230	7	255
Greece	0	0	0	0	0	0
Hungary	0	0	0	0	0	0
Iceland	0	0	0	0	0	0
Ireland	2	122	11	4	13	125
Luxembourg	0	0	0	0	0	0
Norway	34	118	0	0	34	118
Poland	1	4	0	0	1	4
Portugal	0	0	57	994	57	994
Romania	0	0	0	0	0	0
Sweden	7	95	12	1226	19	1321
Turkey	6	4	1	64	7	67
Yugoslavia	0	0	1	32	1	32
Oth Europe	0	0	0	0	0	0
TOTAL	1152	18162	474	11558	1626	29720
NORTH AND CENTRAL AMERICA						
Bahamas	0	0	0	0	0	0
Barbados	0	0	2	4	2	4
Belize	2	9	0	0	2	9
Bermuda	0	0	0	0	0	0
Costa Rica	0	0	1	42	1	42
Dominican Rep	13	76	40	888	53	964
El Salvador	0	0	2	18	2	18
Guatemala	0	0	6	14	6	14
Haiti	0	0	2	22	2	22
Honduras	0	0	10	20	10	20
Jamaica	6	8	0	0	6	8
Panama	0	0	0	0	0	0
Trinidad	1	4	1	9	2	13
Oth N & C Am.	1	22	2	103	3	125
TOTAL	1408	19219	1194	10710	2602	29929
SOUTH AMERICA						
Argentina	2	43	0	0	2	43
Bolivia	0	0	0	0	0	0
Chile	11	44	19	17	30	61
Colombia	11	32	4	170	15	201
Ecuador	29	44	2	5	31	49
Paraguay	0	0	0	0	0	0
Peru	2	6	4	71	6	77
Uruguay	0	0	0	0	0	0
Oth South Am.	0	0	0	0	0	0
TOTAL	125	2487	72	455	197	2942
OCEANIA						
New Zealand	3	4	17	126	20	130
Oth Oceania	0	0	0	0	0	0
TOTAL	62	1551	77	360	139	1910

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
February 90

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
Bangladesh	0	0	0	0	0	0
Hong Kong	176	380	9	168	185	548
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	15	204	7	442	22	646
Jordan	0	0	0	0	0	0
Kuwait	0	0	2	135	2	135
Laos	0	0	0	0	0	0
Lebanon	0	0	0	0	0	0
Macao	0	0	0	0	0	0
Oman	0	0	0	0	0	0
Pakistan	5	103	0	0	5	103
Philippines	0	0	1	7	1	7
Qatar	0	0	0	0	0	0
Saudi Arabia	4	36	32	311	36	347
Sri Lanka	0	0	0	0	0	0
Syria	0	0	0	0	0	0
United Arab Emr	18	17	13	19	31	35
Vietnam	0	0	0	0	0	0
Oth Asia	0	0	0	0	0	0
TOTAL	939	9999	401	10630	1340	20629
AFRICA						
Algeria	0	0	0	0	0	0
Botswana	0	0	0	0	0	0
Egypt	1	20	11	445	12	465
Ethiopia	0	0	0	0	0	0
Gabon	0	0	0	0	0	0
Ghana	0	0	0	0	0	0
Guinea	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Malawi	0	0	0	0	0	0
Mauritius	0	0	0	0	0	0
Morocco	0	0	0	0	0	0
Niger	0	0	0	0	0	0
Nigeria	35	75	0	0	35	75
South Africa	34	119	7	181	41	300
Sudan	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Tunisia	0	0	0	0	0	0
Zaire	0	0	0	0	0	0
Zambia	0	0	0	0	0	0
Zimbabwe	1	3	0	0	1	3
Oth Africa	0	0	0	0	0	0
TOTAL	71	217	18	626	89	843

Note: Region totals include top countries detailed by product as well as countries listed above.

Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include code 8456300000.

RELEASED: May 2, 1990

U.S. IMPORTS - Metal Cutting Machine Tools - February 90

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456301010	Traveling wire electro-discharge machines, NC *	147	8612	81	5074
301050	Electro-discharge machines, n.e.c., NC	29	1089	21	666
301070	Electro-discharge machines, n.e.c., non-NC	77	1765	17	662
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm(26")	443	37781	209	16208
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm(26")	23	3824	5	689
100035	Horiz. mach. ctrs., ATC	121	27514	39	10678
100045	Mach. ctrs., n.e.c.	43	4273	9	1322
200010	Unit construction mach. (single station transfer), NC	7	629	2	140
200090	Unit construction mach. (single station transfer), non-NC	0	0	0	0
300010	Multi-station transfer machines, NC	5	1914	4	828
300090	Multi-station transfer machines, non-NC	13	4286	3	1433
8458110010	Horiz. lathes, multiple spindle, NC	71	11053	24	3777
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	423	30936	205	14496
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	110	14212	40	4996
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	13	2566	6	1187
190030	Horiz. engine or toolroom lathes, non-NC	612	6287	291	3128
190050	Automatic bar and/or chucking mach., single spindle, non-NC	96	4752	32	2478
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	19	1702	13	554
190090	Horiz. lathes, n.e.c., non-NC	157	1795	78	897
911060	Vertical turret lathes, multiple spindle, NC	6	1414	3	858
911080	Vertical turret lathes, n.e.c., NC	5	842	3	505
915050	Vertical lathes, excl. VTL's, mult. spindle, NC	0	0	0	0
915070	Vertical lathes, excl. VTL's, n.e.c., NC	21	2461	3	528
991050	Vertical turret lathes, non-NC	37	600	2	351
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	162	2640	58	679
8459100000	Way-type unit head machines	0	0	0	0
210080	Other drilling machines, NC	65	4182	9	611
290040	Drilling machines, multiple spindle, non-NC	32	841	1	3
290050	Drilling machines, radial, non-NC	78	503	38	231
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	11	73	2	8
290090	Drilling machines, n.e.c., non-NC	67	1708	16	478
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	0	0	0	0
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	19	2257	7	1754
310070	Boring-milling mach., n.e.c., NC	4	325	0	0
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	6	476	2	215
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	16	842	11	273
400040	Boring machines, vertical, NC	0	0	0	0
400050	Boring machines, vertical, non-NC	7	386	4	60
400070	Boring machines, n.e.c., NC	7	396	0	0
400080	Boring machines, n.e.c., non-NC	38	495	33	364
510080	Milling machines, knee type, NC	84	1840	26	604
590030	Milling machines, knee type, non-NC	560	3956	269	1834
610080	Milling machines, excl. knee type, n.e.c., NC	55	3232	12	1147
690050	Milling machines, profile, dup., or die sinking, non-NC	6	28	1	4
690070	Milling machines, bed type, non-NC	13	616	7	139
690090	Milling machines, n.e.c., non-NC	101	5133	54	1599
700020	Threading or tapping machines, n.e.c., NC	26	1165	16	797
700080	Threading or tapping machines, n.e.c., non-NC	26	477	16	241
8460110080	Flat surface grinding mach., NC	16	882	2	62
190010	Flat surface grinding mach., recip.-table type, non-NC	174	2479	100	1441
190050	Flat surface grinding mach., n.e.c., non-NC	344	2898	158	1545
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	70	14030	25	4789
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	80	2286	34	1022
290030	Grinding mach., internal cylindrical, non-NC	19	2638	7	958
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	188	8069	94	3024
310080	Sharpening machines (tool & cutter grinding), NC	55	633	37	320
390050	Sharpening machines (tool & cutter grinding), non-NC	178	2120	87	730
400060	Honing or lapping machines, NC	8	901	2	323
400080	Honing or lapping machines, non-NC	33	628	10	227
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	11	461	2	255
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	177	8581	73	3500
8461100060	Planing machines, NC	0	0	0	0
100080	Planing machines, non-NC	1	5	1	5
200010	Shaping or slotting machines, NC	64	2237	1	241
200090	Shaping or slotting machines, non-NC	66	1018	20	55
300060	Broaching machines, NC	2	5118	2	5118
300080	Broaching machines, non-NC	16	912	12	71
401020	Gear cutting for bevel gears	0	0	0	0
401030	Gear hobbers	11	1861	4	866
401040	Gear shapers	4	1230	1	95
401060	Gear cutting machines, n.e.c.	44	368	26	5
405050	Gear grinding or finishing for bevel gears	0	0	0	0
405070	Gear grinding or finishing machines, n.e.c.	17	5400	8	2506
500050	Sawing or cutting-off machines, NC	39	1448	18	146
500090	Sawing or cutting-off machines, non-NC	363	4298	126	1620
9000000001	Metal cutting machine tools, n.e.c.	77	1865	59	1288
9800000001	Used or rebuilt machine tools	258	5858	174	2906
9900000001	Machine tools valued at less than $2,500	143678	15798	64845	6815
	Cutting Total			67600	122428
	Y-T-D Cutting Total	149854	295903		
	NC Y-T-D Cutting Total	1997	188398		

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - February 90

	Belgium		Brazil		Canada		France		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301010	0	0	0	0	0	0	0	0	0	0
301050	0	0	0	0	0	0	0	0	0	0
301070	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	1	209	0	0
100045	0	0	0	0	0	0	0	0	4	102
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	1	78	0	0	0	0
300090	0	0	0	0	1	927	0	0	1	366
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	10	1312	1	107
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	69	478	1	25	1	6	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	43	355	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	1	2	0	0	1	337
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	28	133	6	16	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	2	335	0	0	0	0
290040	0	0	0	0	0	0	0	0	1	3
290050	0	0	4	42	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	4	162	0	0	1	150
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	1	15	0	0	9	233
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	4	60
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	19	116	0	0	12	44
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	1	827	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	1	1357
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	1	5	0	0	3	48
8460110080	0	0	0	0	0	0	0	0	1	50
190010	0	0	0	0	0	0	0	0	16	292
190050	0	0	0	0	3	13	1	8	1	13
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	7	56	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	1	5	0	0	0	0
310080	0	0	0	0	0	0	6	13	0	0
390050	0	0	0	0	2	6	2	48	3	23
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	2	207	1	18	10	1366
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	20	55	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	1	41
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	0	0
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	0	0	1	6	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	0	0	13	116	0	0	20	129
9000000001	0	0	0	0	2	37	28	524	3	9
9800000001	0	0	0	0	12	37	0	0	2	12
9900000001	1	1	9	19	54	40	60	2	2458	368
Month Tot	1	1	153	1026	155	3085	110	2140	2553	5110
Y-T-D Tot	7	185	234	1999	285	4102	242	3304	5796	11225
NC YTD Tot	0	0	1	435	9	1284	21	1783	23	969

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - February 90

	Japan		Korea		Singapore		Spain		Sweden	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301010	64	4790	0	0	0	0	0	0	0	0
301050	14	492	0	0	0	0	0	0	0	0
301070	0	0	0	0	0	0	0	0	0	0
8457100015	114	10607	8	484	20	1136	2	156	0	0
100025	3	532	0	0	0	0	0	0	0	0
100035	28	8015	0	0	0	0	0	0	0	0
100045	1	633	0	0	0	0	0	0	0	0
200010	0	0	1	59	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	1	255	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	18	2712	0	0	0	0	0	0	0	0
110030	180	13310	5	237	0	0	0	0	0	0
110050	27	3463	0	0	0	0	0	0	0	0
110090	1	193	0	0	0	0	0	0	0	0
190030	0	0	11	166	33	377	7	340	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	2	39	5	151	0	0	0	0	0	0
911060	0	0	1	159	0	0	0	0	0	0
911080	3	505	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	1	189	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	1	37	5	218	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	4	194	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	1	27	0	0	0	0	0	0	0	0
290070	2	8	0	0	0	0	0	0	0	0
290090	1	52	0	0	0	0	8	43	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	1	4
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	1	52	0	0	0	0	134	1042	0	0
610080	0	0	0	0	4	166	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	1	35	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	14	38	0	0
700020	16	797	0	0	0	0	0	0	0	0
700080	12	188	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	1	12	0	0
190010	32	697	0	0	16	231	0	0	0	0
190050	7	123	1	22	4	78	2	139	1	1
210080	8	1018	0	0	0	0	0	0	1	490
290010	3	191	0	0	0	0	0	0	0	0
290030	1	18	0	0	0	0	0	0	0	0
290050	29	2084	0	0	0	0	0	0	1	4
310080	0	0	0	0	0	0	0	0	0	0
390050	4	103	0	0	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	2	105	0	0	0	0	0	0	0	0
900060	2	255	0	0	0	0	0	0	0	0
900080	9	1171	4	27	0	0	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	1	241	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	2	302	0	0	0	0	0	0	0	0
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	1	262	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	21	793	0	0	0	0	0	0	0	0
9000000001	3	218	0	0	0	0	0	0	0	0
9800000001	18	1367	0	0	0	0	1	18	4	19
9900000001	3370	599	130	131	0	0	0	0	24	50
Month Tot	4009	56671	171	1654	77	1989	169	1788	32	569
Y-T-D Tot	10274	153080	234	3890	213	4692	353	3791	164	2831
NC YTD Tot	1276	130693	30	2141	56	3013	4	318	4	1436

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - February 90

	Switzerland		Taiwan		U.K.		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301010	1	136	16	148	0	0	0	0	0	0
301050	1	115	3	54	3	5	0	0	0	0
301070	5	429	10	168	1	8	0	0	1	56
8457100015	0	0	5	464	54	2898	2	158	4	305
100025	0	0	2	156	0	0	0	0	0	0
100035	0	0	1	145	1	94	8	2214	0	0
100045	0	0	0	0	0	0	3	555	1	32
200010	0	0	0	0	0	0	1	81	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	1	89	1	405	0	0
300090	0	0	0	0	0	0	1	140	0	0
8458110010	0	0	0	0	4	516	2	550	0	0
110030	1	86	8	442	3	127	0	0	8	293
110050	0	0	2	113	0	0	0	0	0	0
110090	0	0	0	0	0	0	5	994	0	0
190030	0	0	56	512	60	736	0	0	53	487
190050	0	0	29	226	0	0	3	2252	0	0
190070	1	376	8	43	0	0	0	0	4	135
190090	0	0	0	0	16	283	0	0	12	70
911060	0	0	0	0	0	0	1	622	1	78
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	2	351	0	0	0	0	0	0	0	0
995090	2	74	0	0	1	16	6	51	9	133
8459100000	0	0	0	0	0	0	0	0	0	0
210080	1	37	0	0	0	0	1	41	1	5
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	17	79	0	0	0	0	16	83
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	1	12	1	59
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	1	280	2	1344	4	130
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	1	211	0	0
390050	0	0	1	25	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	1	4	1	200	0	0
510080	1	92	17	234	7	267	0	0	1	11
590030	0	0	74	386	40	169	1	112	19	74
610080	1	10	0	0	4	57	2	87	0	0
690050	0	0	0	0	0	0	1	4	0	0
690070	0	0	6	104	0	0	0	0	0	0
690090	1	59	12	56	0	0	2	24	24	64
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	36	221	0	0	0	0	0	0
190050	6	53	107	842	4	106	8	19	13	128
210080	0	0	0	0	0	0	16	3282	0	0
290010	4	194	1	19	2	98	1	321	16	144
290030	4	514	0	0	0	0	2	426	0	0
290050	2	120	14	47	10	178	37	585	0	0
310080	0	0	16	54	0	0	15	253	0	0
390050	0	0	29	102	12	73	35	376	0	0
400060	0	0	0	0	0	0	2	323	0	0
400080	0	0	0	0	4	58	2	49	2	14
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	9	51	34	622	4	37
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	1	5
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	2	5118	0	0	0	0
300080	0	0	0	0	0	0	11	30	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	2	564	0	0
401040	0	0	0	0	0	0	1	95	0	0
401060	0	0	0	0	0	0	26	5	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	1	5	0	0	2	608	2	1586	1	40
500050	0	0	0	0	0	0	18	146	0	0
500090	3	72	8	29	10	51	14	263	37	168
9000000001	2	236	0	0	1	3	3	155	17	106
9800000001	13	326	0	0	40	397	73	671	11	58
9900000001	41	13	49017	4596	190	140	418	177	9073	679
Month Tot	93	3298	49495	9265	483	12432	765	20005	9334	3395
Y-T-D Tot	264	10221	111801	21290	1152	19734	1550	45722	17285	9839
NC YTD Tot	27	2876	185	4704	135	12386	171	23959	55	2402

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
February 90

RELEASED: May 2, 1990

Metal Forming Machine Tools		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	85	1954	57	1302
8462100030	Headers and upsetters, including cold headers	30	3271	13	1629
100050	Forging or die stamping machines, and hammers, n.e.c.	173	11091	108	4200
210080	Bending, folding, straight. or flat. mach., incl presses, NC	92	4596	36	2010
290030	Press brakes, non-NC	40	1073	26	624
290040	Bending rolls, non-NC	23	832	12	492
290050	Bending, folding, straight., or flat., n.e.c., non-NC	203	5865	78	1954
310080	Shearing machines, NC	11	482	9	419
390050	Shearing machines, non-NC	89	2881	54	1176
410080	Punching or notching mach., incl. comb. punch & shear, NC	62	6269	38	3239
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	70	1461	21	557
910060	Hydraulic presses, NC	1	142	1	142
910090	Hydraulic presses, non-NC	519	2247	315	686
990030	Presses, n.e.c., NC	34	3121	0	0
990035	Mechanical transfer presses, non-NC	0	0	0	0
990045	Mechanical presses, n.e.c., non-NC	16	731	4	101
990060	Presses, n.e.c., non-NC	137	4233	48	2453
8463100080	Draw benches for bars, tubes, profiles, wire or the like	7	447	2	179
200080	Thread rolling machines	27	1376	7	361
300080	Machines for working wire	330	14470	164	7949
900080	Metal forming machine tools, n.e.c.	99	3501	29	1093
9800000002	Used or rebuilt machine tools	135	3152	71	674
9900000002	Machine tools valued at less than $2,500	2105	1047	921	360
	Forming Total			2014	31598
	Y-T-D Forming Total	4288	74241		
	NC Y-T-D Forming Total	200	14609		
	Cutting and Forming Totals:				
	Monthly Total			69614	154026
	Y-T-D Total	154142	370144		
	NC Y-T-D Total	2197	203007		

Other Manufacturing Technology		TOTAL YTD		TOTAL MO.	
1000000000	Machine tool parts and accessories	0	100725	0	51757
2000000000	Parts for working rubber or plastics - heading 8477	0	56326	0	24345
2710003070	Quenching or cutting oils	0	38	0	13
8428900010	Industrial robots for lifting, handling, loading or unload	833	6797	602	2914
8431390080	Parts industrial robots, handling and loading - heading 8428	0	15247	0	6895
8456101010	Laser, light or photon beam for working metal, NC	30	6229	14	2745
101020	Laser, light or photon beam for working metal, non-NC	25	208	24	207
105000	Laser, light or photon beam for other materials	20	155	9	125
201010	Ultrasonic processes for working metal, NC	0	0	0	0
201050	Ultrasonic processes for working metal, non-NC	2	22	2	22
205000	Ultrasonic processes for working other materials	1	38	0	0
8477103000	Injection molding mach., for manufacturing shoes	18	909	18	909
106010	Injection molding mach., for rubber or oth. thermosetting	141	11527	80	6824
106050	Injection molding mach., for thermoplastics	468	42824	274	18163
200010	Extruders for rubber or other thermosetting materials	36	3296	21	905
200050	Extruders for processing thermoplastics	150	12007	104	7680
300000	Blow molding machines	108	8210	28	2276
400000	Vacuum-molding and other thermoforming machines	20	1118	6	573
510010	Machines for molding or retreading pneumatic tires	81	8533	18	3876
510090	Machines for molding or otherwise forming inner tubes	32	1505	14	49
590000	Machines for molding or otherwise forming n.e.c.	140	21744	35	5436
800000	Machines for working rubber or plastics n.e.c.	1232	25504	797	7369
8479899040	Industrial robots, n.e.c.	3536	11727	2069	7435
908040	Industrial robot parts	0	5347	0	3031
8537100030	Numerical controls for controlling machine tools	2872	7051	1074	4003
9024100000	Machines and appliances for testing metals	0	2117	0	1450
9031100000	Machines for balancing mechanical parts	0	1255	0	261
300000	Profile projectors	0	926	0	542
9032810020	Industrial process control instr., hydraulic	17994	178	10525	100
810060	Industrial process control instr., pneumatic	34827	718	7161	406

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. IMPORTS
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Metal Forming

	Belgium		Brazil		Canada		France		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	7	585	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	5	285
100050	0	0	0	0	6	369	52	46	1	24
210080	0	0	0	0	2	208	0	0	2	125
290030	6	195	0	0	20	430	0	0	0	0
290040	0	0	0	0	0	0	0	0	2	109
290050	2	14	0	0	17	178	0	0	11	98
310080	8	392	0	0	0	0	0	0	0	0
390050	0	0	0	0	9	170	0	0	1	396
410080	0	0	0	0	0	0	0	0	1	54
490050	0	0	0	0	4	229	0	0	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	5	314	0	0	0	0
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	0	0	0	0	1	5	0	0	0	0
990060	0	0	0	0	6	403	0	0	2	169
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	1	48
300080	28	999	0	0	7	1396	1	24	29	2799
900080	0	0	0	0	5	35	0	0	7	221
9800000002	3	99	0	0	27	398	1	51	0	0
9900000002	0	0	0	0	14	5	0	0	111	38
Month Tot	47	1698	0	0	130	4726	54	121	173	4366
Y-T-D Tot	95	4610	0	0	338	9781	69	289	281	8937
NC YTD Tot	10	1699	0	0	3	218	2	20	32	483
C&F Month	48	1700	153	1026	285	7811	164	2260	2726	9476
C&F Y-T-D	102	4794	234	1999	623	13883	311	3594	6077	20161
C&F NC YTD	10	1699	1	435	12	1501	23	1803	55	1453

Other Manufacturing Technology

1000000000	0	922	0	22	0	12738	0	673	0	1407
2000000000	0	7	0	0	0	4902	0	1853	0	438
2710003070	0	0	0	0	0	0	0	0	0	0
8428900010	0	0	0	0	9	95	0	0	0	0
8431390080	0	18	0	25	0	844	0	32	0	45
8456101010	0	0	0	0	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	0	0	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	0	0	0	0	0	0	0	0	9	751
106010	0	0	0	0	3	618	6	769	0	0
106050	0	0	0	0	45	4783	3	71	6	321
200010	1	9	0	0	1	7	0	0	6	65
200050	1	2	0	0	13	338	0	0	12	2176
300000	0	0	0	0	1	4	0	0	0	0
400000	0	0	0	0	2	45	0	0	0	0
510010	0	0	0	0	12	1365	1	39	0	0
510090	0	0	0	0	0	0	0	0	0	0
590000	0	0	0	0	3	85	0	0	1	50
800000	22	118	0	0	41	333	276	1478	4	375
8479899040	1	52	0	0	561	38	0	0	2	148
908040	0	6	0	0	0	26	0	22	0	51
8537100030	0	0	0	0	0	0	0	0	28	25
9024100000	0	6	0	0	0	28	0	19	0	82
9031100000	0	0	0	0	0	0	0	25	0	7
300000	0	0	0	0	0	0	0	0	0	0
9032810020	0	0	0	0	2	5	0	0	0	0
810060	0	0	0	0	0	0	0	0	669	59

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

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Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
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Metal Forming

	Japan		Korea		Singapore		Spain		Sweden	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	14	121	0	0	0	0	0	0	0	0
8462100030	7	1204	0	0	0	0	0	0	0	0
100050	23	2275	0	0	0	0	0	0	0	0
210080	28	1369	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	4	349
290050	13	1161	0	0	0	0	0	0	8	123
310080	0	0	0	0	0	0	0	0	0	0
390050	9	322	0	0	0	0	0	0	1	16
410080	13	1392	0	0	0	0	0	0	0	0
490050	2	80	0	0	0	0	0	0	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	80	93	0	0	0	0	0	0	0	0
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	1	76	0	0	0	0	0	0	0	0
990060	13	483	0	0	0	0	4	12	1	8
8463100080	2	179	0	0	0	0	0	0	0	0
200080	1	41	0	0	0	0	5	271	0	0
300080	15	713	0	0	0	0	0	0	1	4
900080	3	8	0	0	0	0	0	0	0	0
9800000002	1	42	0	0	0	0	0	0	1	13
9900000002	79	25	3	1	0	0	34	36	39	27
Month Tot	304	9584	3	1	0	0	43	319	55	541
Y-T-D Tot	676	28923	3	1	0	0	58	497	270	1708
NC YTD Tot	96	7828	0	0	0	0	0	0	2	195
C&F Month	4313	66255	174	1655	77	1989	212	2107	87	1109
C&F Y-T-D	10950	182003	237	3892	213	4692	411	4288	434	4539
C&F NC YTD	1372	138521	30	2141	56	3013	4	318	6	1631

Other Manufacturing Technology

1000000000	0	13019	0	307	0	865	0	431	0	933
2000000000	0	6865	0	101	0	110	0	19	0	179
2710003070	0	6	0	0	0	0	0	0	0	0
8428900010	64	1524	0	0	0	0	0	0	5	65
8431390080	0	371	0	0	0	0	0	0	0	130
8456101010	10	1839	0	0	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	0	0	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	1	5	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	0	0	0	0	0	0	0	0	0	0
106010	36	2888	4	184	3	181	0	0	0	0
106050	50	6366	2	53	1	13	0	0	1	15
200010	5	600	0	0	0	0	0	0	0	0
200050	9	2160	0	0	0	0	0	0	10	415
300000	12	463	1	24	0	0	0	0	0	0
400000	0	0	0	0	0	0	0	0	0	0
510010	4	2101	0	0	0	0	0	0	0	0
510090	0	0	0	0	0	0	0	0	1	2
590000	8	4794	0	0	0	0	0	0	2	140
800000	83	3218	0	0	1	220	0	0	0	0
8479899040	1463	5774	0	0	0	0	0	0	4	330
908040	0	1603	0	0	0	6	0	0	0	91
8537100030	982	3932	0	0	0	0	0	0	0	0
9024100000	0	342	0	0	0	0	0	0	0	0
9031100000	0	25	0	0	0	0	0	0	0	17
300000	0	145	0	0	0	0	0	0	0	0
9032810020	0	0	0	0	0	0	0	0	1	8
810060	150	2	0	0	0	0	0	0	800	161

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
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Metal Forming

	Switzerland		Taiwan		U.K.		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	2	593	34	2
8462100030	0	0	0	0	0	0	1	139	0	0
100050	2	142	0	0	11	752	5	60	8	533
210080	0	0	2	76	0	0	1	105	1	128
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	2	24	0	0	0	0	4	11
290050	1	14	2	5	4	48	0	0	20	311
310080	1	27	0	0	0	0	0	0	0	0
390050	0	0	0	0	18	93	13	128	3	51
410080	1	272	0	0	0	0	23	1520	0	0
490050	1	5	12	39	0	0	2	203	0	0
910060	0	0	0	0	0	0	1	142	0	0
910090	8	38	205	71	0	0	9	80	8	89
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	0	0	0	0	0	0	2	20	0	0
990060	0	0	13	658	2	321	7	398	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	6	559	3	29	0	0	73	1348	1	79
900080	1	453	3	118	7	111	3	146	0	0
9800000002	6	10	0	0	11	8	20	39	1	14
9900000002	141	9	286	132	12	2	51	3	151	83
Month Tot	168	1529	528	1152	65	1334	213	4925	231	1301
Y-T-D Tot	197	2884	1065	1908	167	2244	432	9986	637	2474
NC YTD Tot	5	623	3	82	0	0	38	2975	9	487
C&F Month	261	4827	50023	10417	548	13767	978	24931	9565	4697
C&F Y-T-D	461	13105	112866	23197	1319	21978	1982	55708	17922	12313
C&F NC YTD	32	3498	188	4785	135	12386	209	26933	64	2888

Other Manufacturing Technology

1000000000	0	3202	0	1548	0	2849	0	9892	0	2950
2000000000	0	787	0	428	0	662	0	6621	0	1372
2710003070	0	0	0	0	0	0	0	7	0	0
8428900010	1	76	0	0	4	206	518	233	1	714
8431390080	0	2583	0	134	0	756	0	920	0	1036
8456101010	0	0	0	0	1	652	1	104	2	150
101020	0	0	0	0	0	0	24	207	0	0
105000	0	0	0	0	6	123	0	0	3	2
201010	0	0	0	0	0	0	0	0	0	0
201050	1	17	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	1	149	4	4	3	4	1	2	0	0
106010	1	351	14	824	0	0	12	465	1	544
106050	4	655	10	376	6	43	108	3029	38	2439
200010	1	44	0	0	1	29	1	89	5	63
200050	2	990	11	462	13	214	33	923	0	0
300000	0	0	0	0	0	0	13	1699	1	86
400000	0	0	0	0	0	0	3	443	1	84
510010	0	0	0	0	0	0	0	0	1	371
510090	1	34	0	0	0	0	12	13	0	0
590000	0	0	0	0	15	242	3	99	3	25
800000	146	219	4	244	15	272	132	864	73	27
8479899040	2	316	0	0	5	110	11	629	20	39
908040	0	198	0	23	0	227	0	747	0	31
8537100030	0	0	0	0	0	0	62	23	2	23
9024100000	0	56	0	0	0	775	0	13	0	129
9031100000	0	0	0	0	0	20	0	45	0	122
300000	0	35	0	0	0	289	0	73	0	1
9032810020	207	6	0	0	0	0	1	2	10314	79
810060	0	0	3908	9	14	6	4	5	1616	165

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
February 90

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Austria	218	647	1	98	219	745
Bulgaria	0	0	0	0	0	0
Czechoslovakia	7	86	1	85	8	172
Denmark	24	105	15	85	39	191
East Germany	7	179	0	0	7	179
Finland	1	59	33	31	34	90
Hungary	1	70	0	0	1	70
Ireland	2	4	0	0	2	4
Luxembourg	0	0	0	0	0	0
Netherlands	1	9	0	0	1	9
Norway	0	0	1	79	1	79
Poland	14	118	0	0	14	118
Portugal	0	0	5	79	5	79
Romania	0	0	0	0	0	0
USSR	0	0	0	0	0	0
Yugoslavia	67	457	5	369	72	826
Oth Europe	0	0	2	65	2	65
TOTAL	4548	47076	881	15727	5429	62803
NORTH AND CENTRAL AMERICA						
Barbados	0	0	0	0	0	0
Dominican Rep	127	56	0	0	127	56
Mexico	7	10	33	88	40	98
Oth N & C Am.	0	0	0	0	0	0
TOTAL	289	3152	163	4814	452	7966
SOUTH AMERICA						
Argentina	2	14	0	0	2	14
Chile	0	0	0	0	0	0
Colombia	1	15	0	0	1	15
Paraguay	0	0	0	0	0	0
Peru	0	0	0	0	0	0
Uruguay	0	0	0	0	0	0
Venezuela	0	0	0	0	0	0
Oth South Am.	0	0	0	0	0	0
TOTAL	156	1056	0	0	156	1056
OCEANIA						
Australia	2	20	0	0	2	20
New Zealand	1	5	98	141	99	145
Oth Oceania	0	0	0	0	0	0
TOTAL	3	25	98	141	101	165

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
February 90

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
China	8509	934	0	0	8509	934
Hong Kong	310	109	0	0	310	109
India	13	99	0	0	13	99
Indonesia	0	0	0	0	0	0
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	20	398	36	30	56	428
Malaysia	0	0	1	150	1	150
Pakistan	0	0	0	0	0	0
Philippines	0	0	0	0	0	0
Thailand	0	0	0	0	0	0
Oth Asia	0	0	0	0	0	0
TOTAL	62604	71119	872	10917	63476	82036
AFRICA						
Ghana	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Niger	0	0	0	0	0	0
South Africa	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Oth Africa	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0

Note: Region totals include top countries detailed by product as well as countries listed above.

Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* Includes code 8456301030, Traveling wire electro-discharge machines, non-NC.